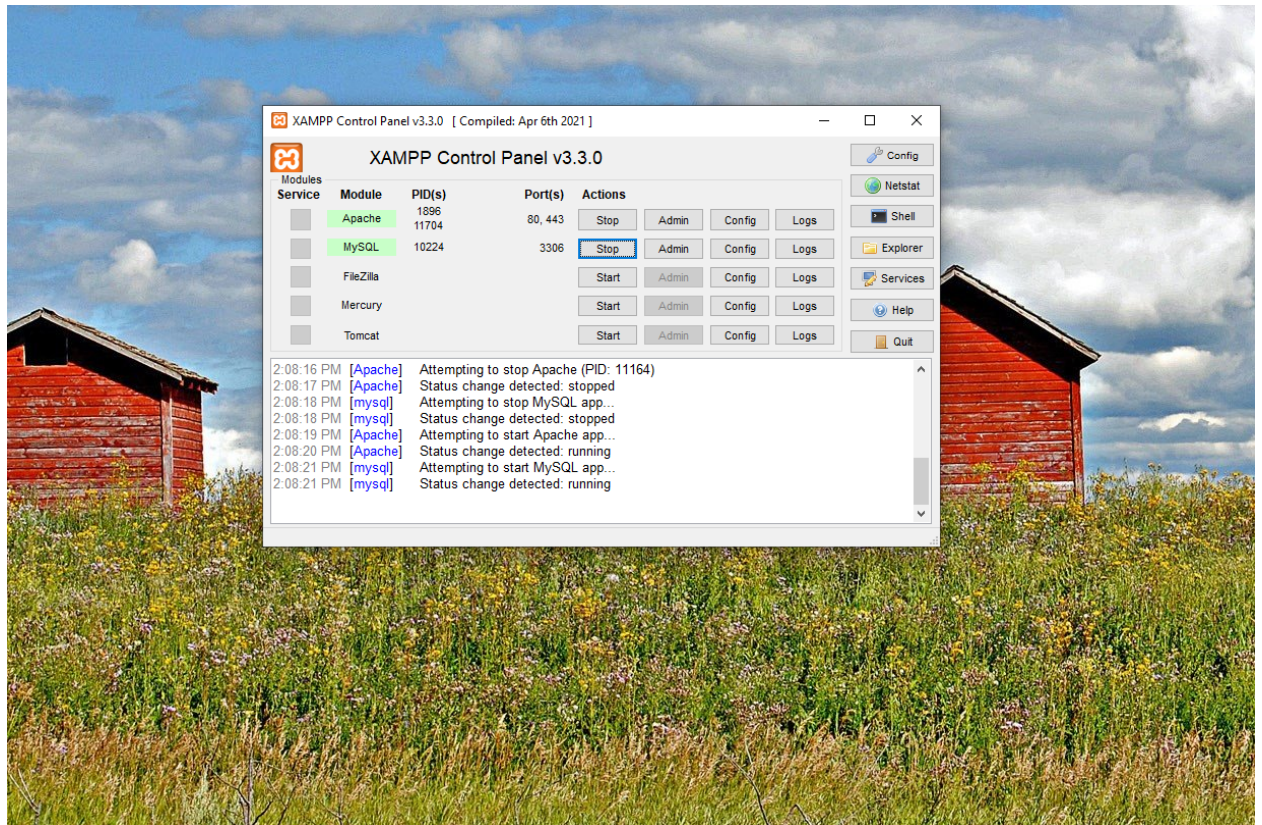


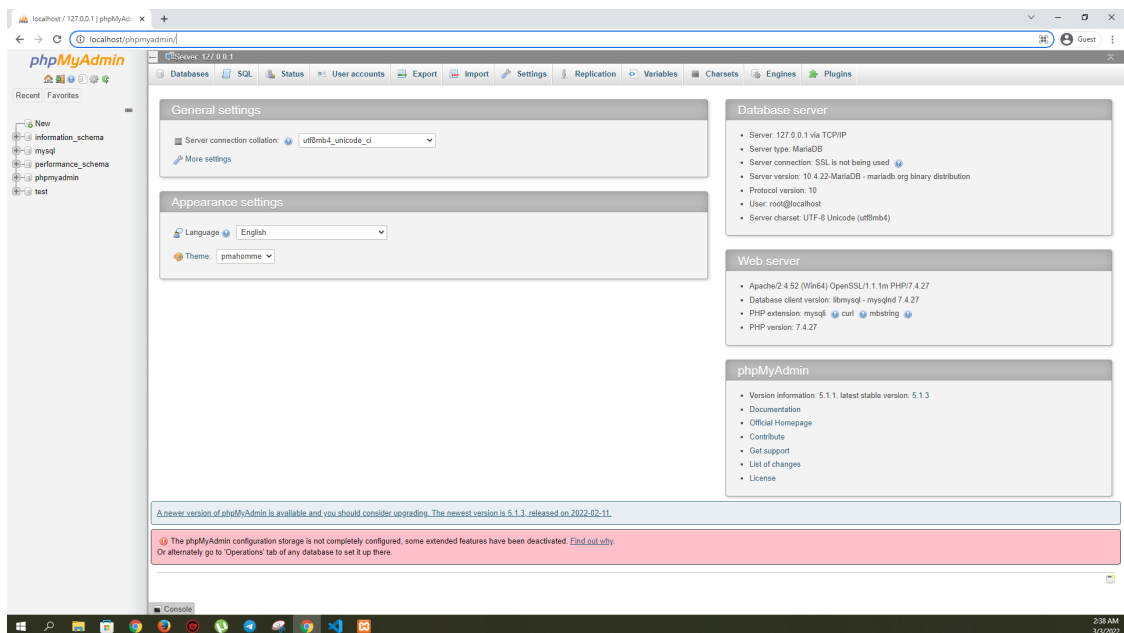
# Lab-7

## My SQL Database Connection

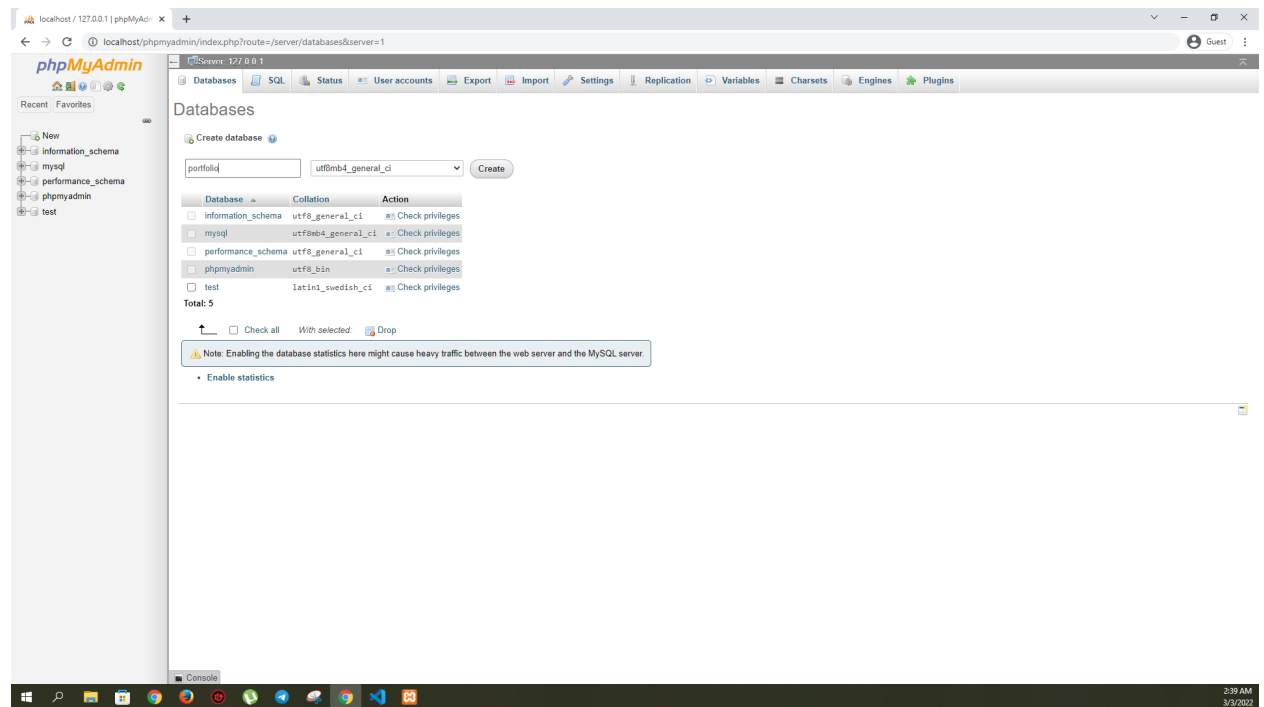
1. Run the Xampp Control Panel
  - a. Start apache and MySQL server.



- b. Click My Sql admin-



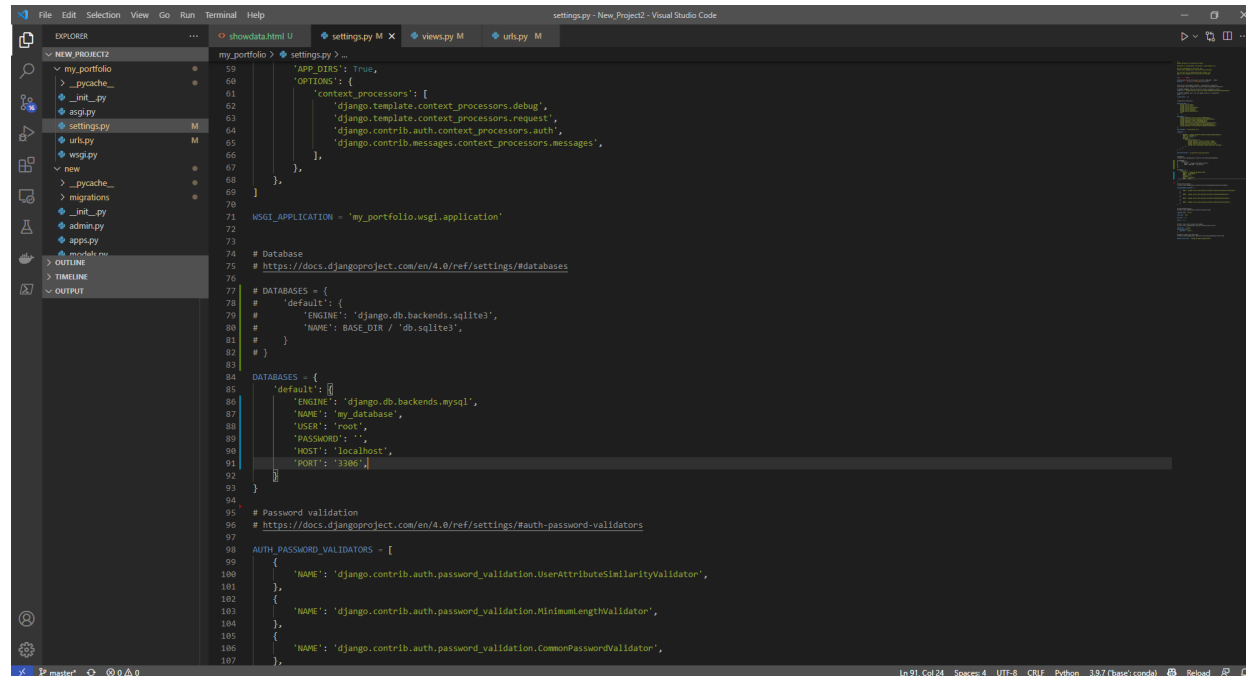
c. Click new and give a database name-



d. Go to my\_portfolio>settings find databases replace databases code with

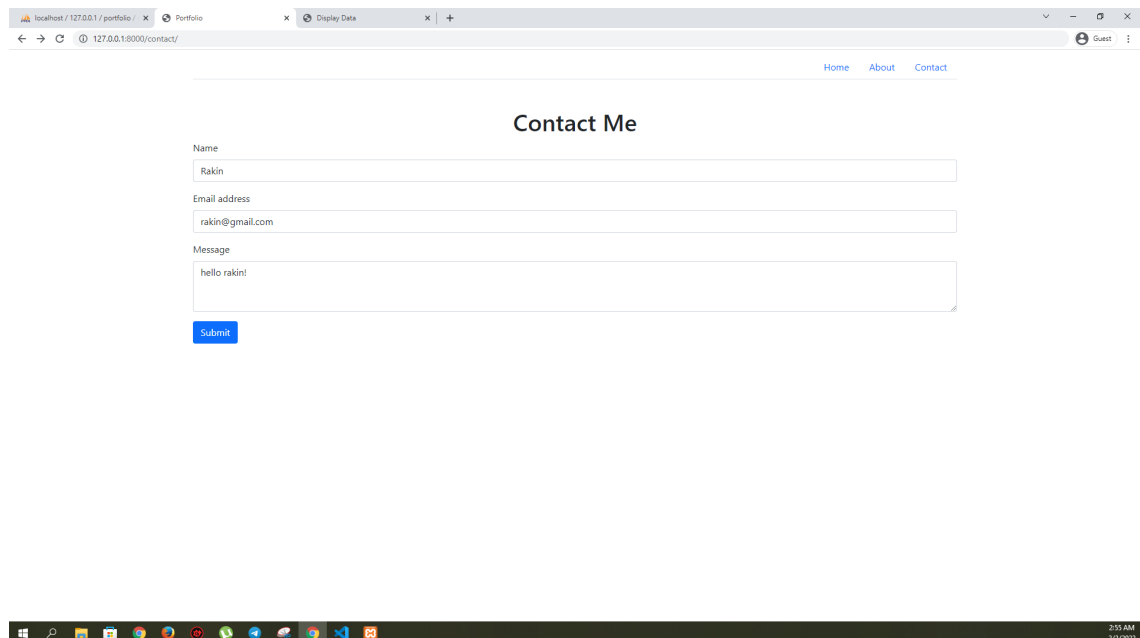
```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'my_database',
        'USER': 'root',
        'PASSWORD': '',
        'HOST': 'localhost',
        'PORT': '3306',
    }
}
```

e. Now it looks like this-



```
59 'APP_DIRS': True,
60 'OPTIONS': {
61     'context_processors': [
62         'django.template.context_processors.debug',
63         'django.template.context_processors.request',
64         'django.contrib.auth.context_processors.auth',
65         'django.contrib.messages.context_processors.messages',
66     ],
67 },
68 ],
69
70 # Database
71 # https://docs.djangoproject.com/en/4.0/ref/settings/#databases
72
73 # DATABASES = {
74 #     'default': {
75 #         'ENGINE': 'django.db.backends.sqlite3',
76 #         'NAME': BASE_DIR / 'db.sqlite3',
77 #     }
78 # }
79
80 DATABASES = {
81     'default': {
82         'ENGINE': 'django.db.backends.mysql',
83         'NAME': 'my_database',
84         'USER': 'root',
85         'PASSWORD': '',
86         'HOST': 'localhost',
87         'PORT': '3306',
88     }
89 }
90
91 # Password validation
92 # https://docs.djangoproject.com/en/4.0/ref/settings/#auth-password-validators
93
94 AUTH_PASSWORD_VALIDATORS = [
95     {
96         'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
97     },
98     {
99         'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
100     },
101     {
102         'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
103     },
104 ]
```

- f. In terminal we need perform the following commands-
  - i. `python manage.py makemigrations`
  - ii. `python manage.py migrate`
- g. Now our database is connected with MS Sql. If we go myphpadmin and refresh. We will find the contact table under the portfolio database. But there is no data. So, we have to submit data.
- h. Go to <http://127.0.0.1:8000/contact> make sure the server is running. Then we submit the data.



localhost / 127.0.0.1 / portfolio / Portfolio

127.0.0.1:8000/contact/

Home About Contact

### Contact Me

Name  
Rakin

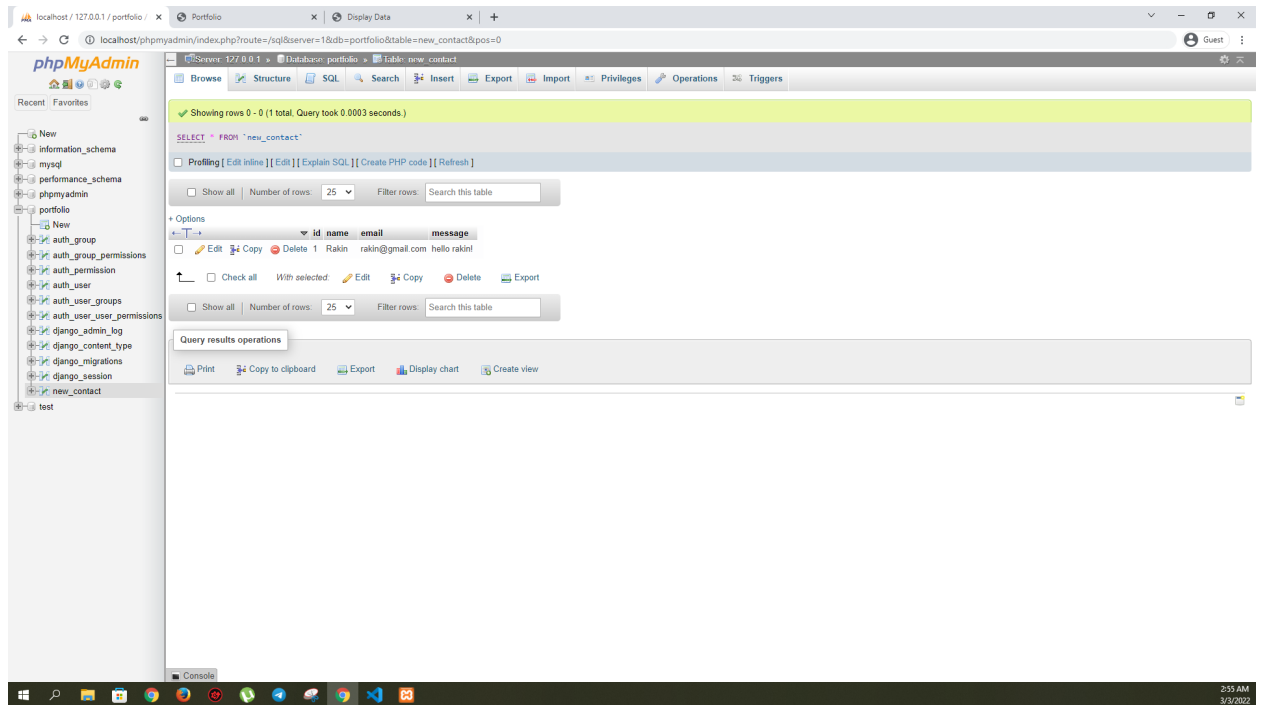
Email address  
rakin@gmail.com

Message  
hello rakin!

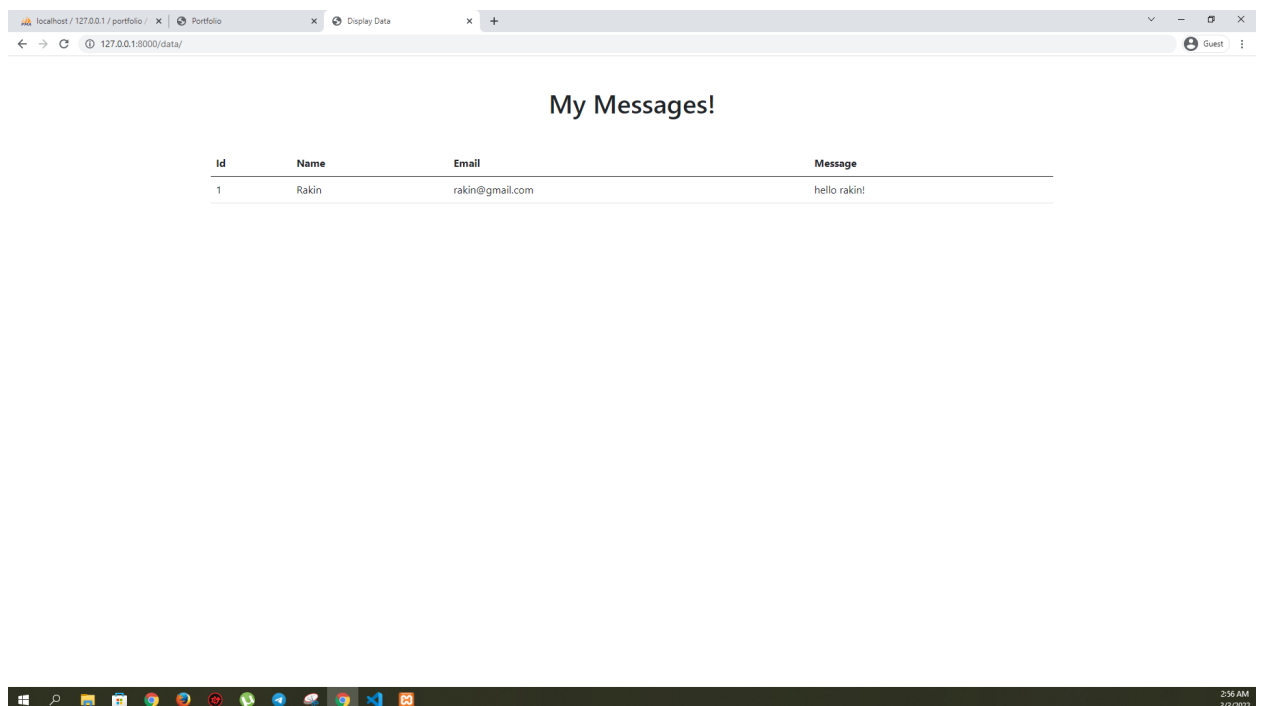
Submit

2:53 AM  
3/3/2022

- i. Great! Now again go to myphpadmin and refresh. We can see data in our database that we recently submitted.



- j. Now we check from the url. Go to <http://127.0.0.1:8000/data>



Congratulations! All for successfully completed Django Portfolio.